

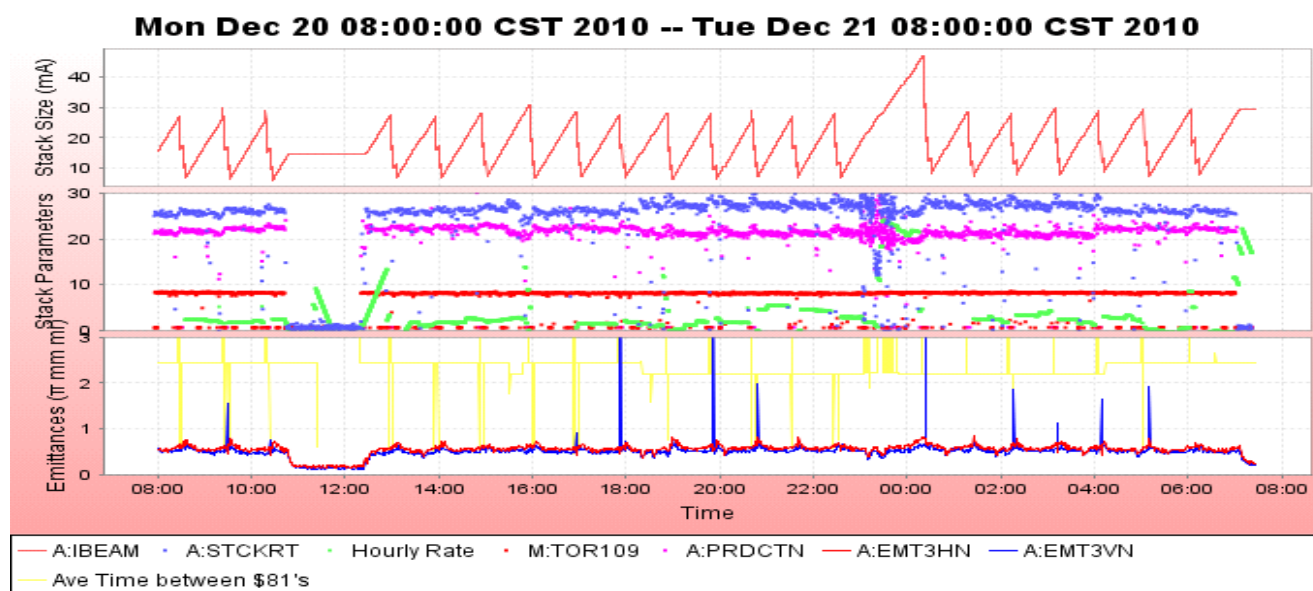
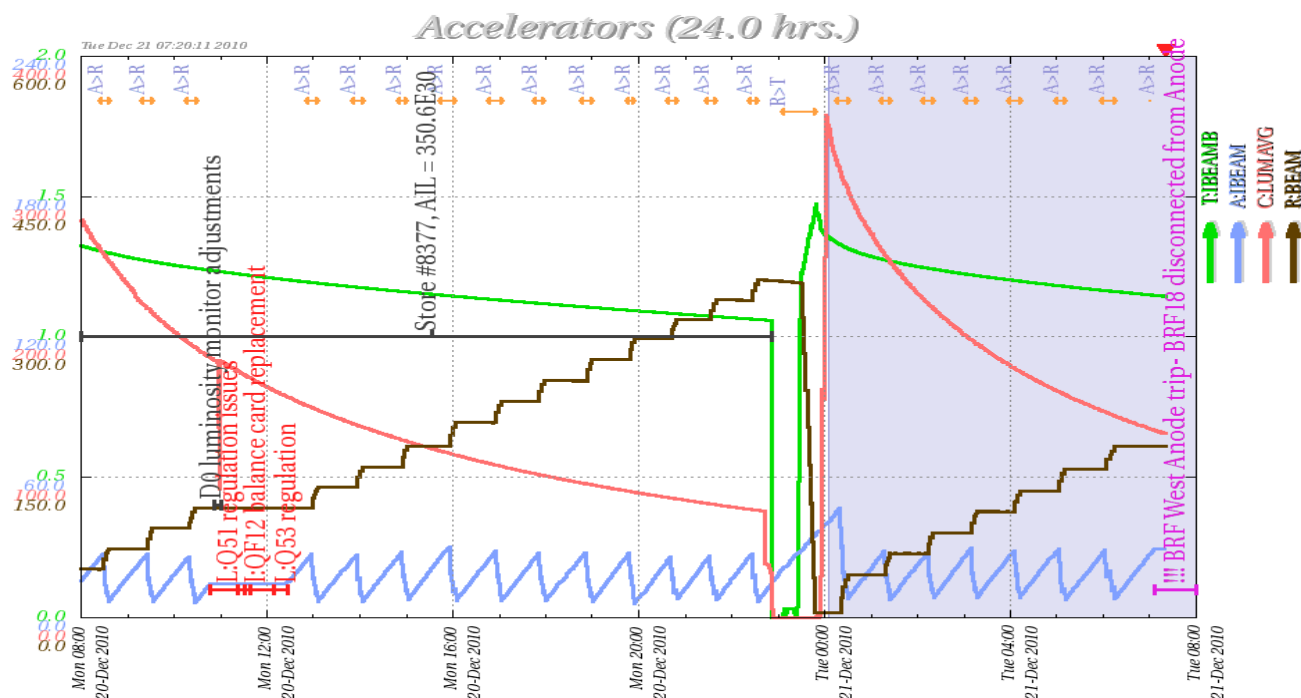
2010-12-21 Tuesday Morning Notes

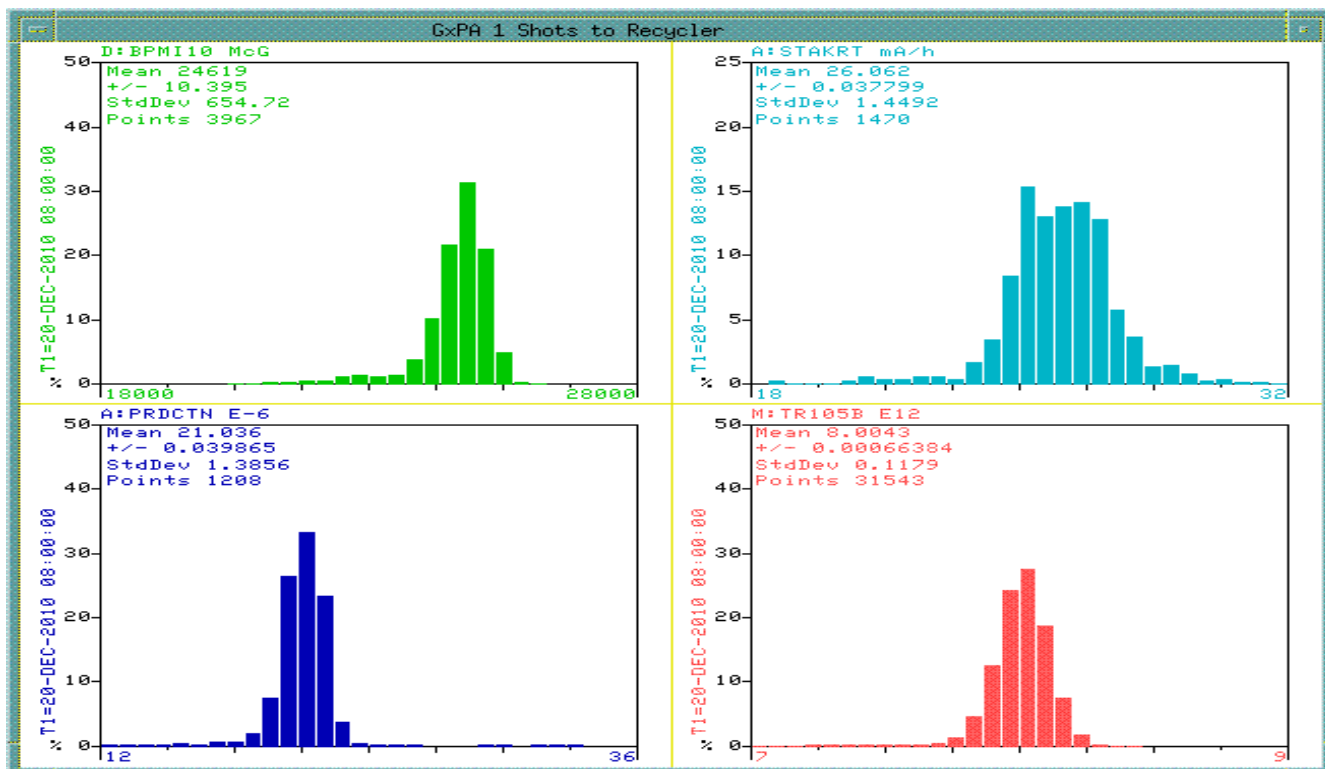
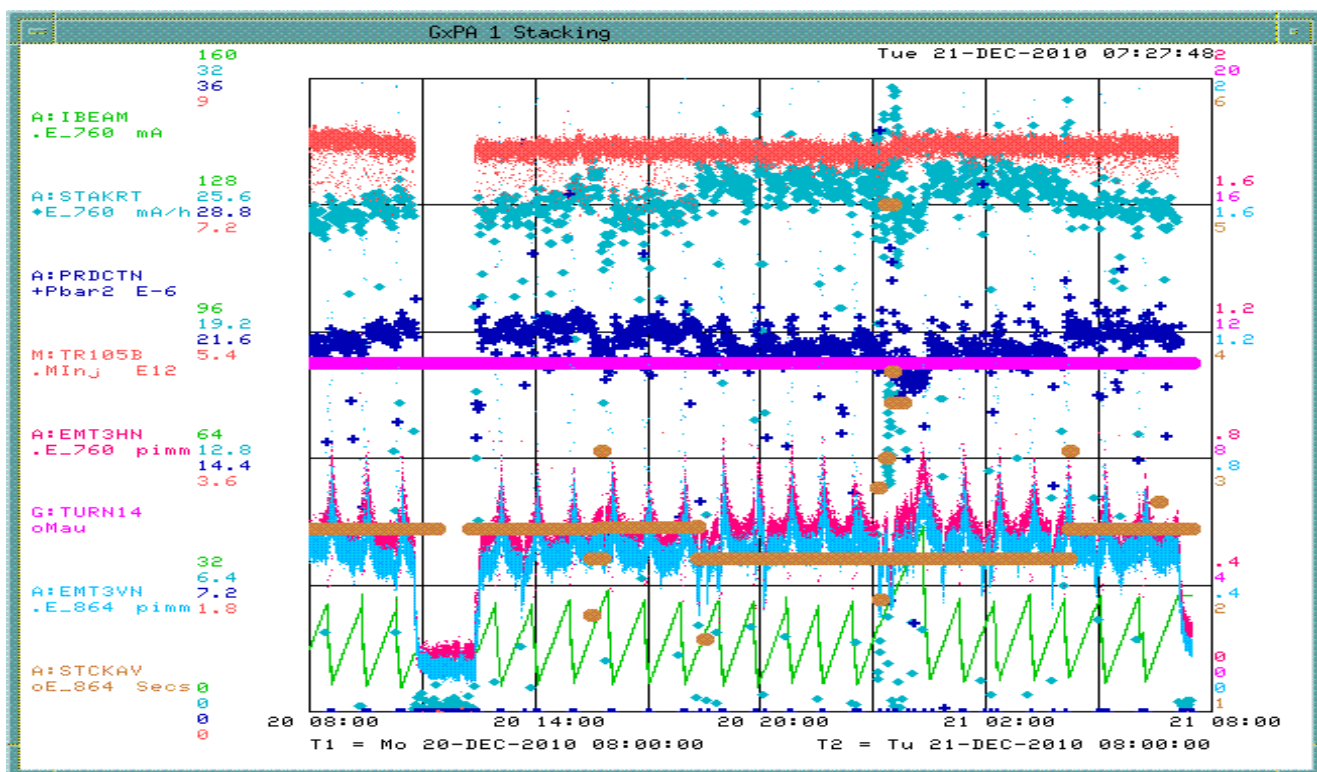
Tuesday, December 21, 2010
7:20 AM

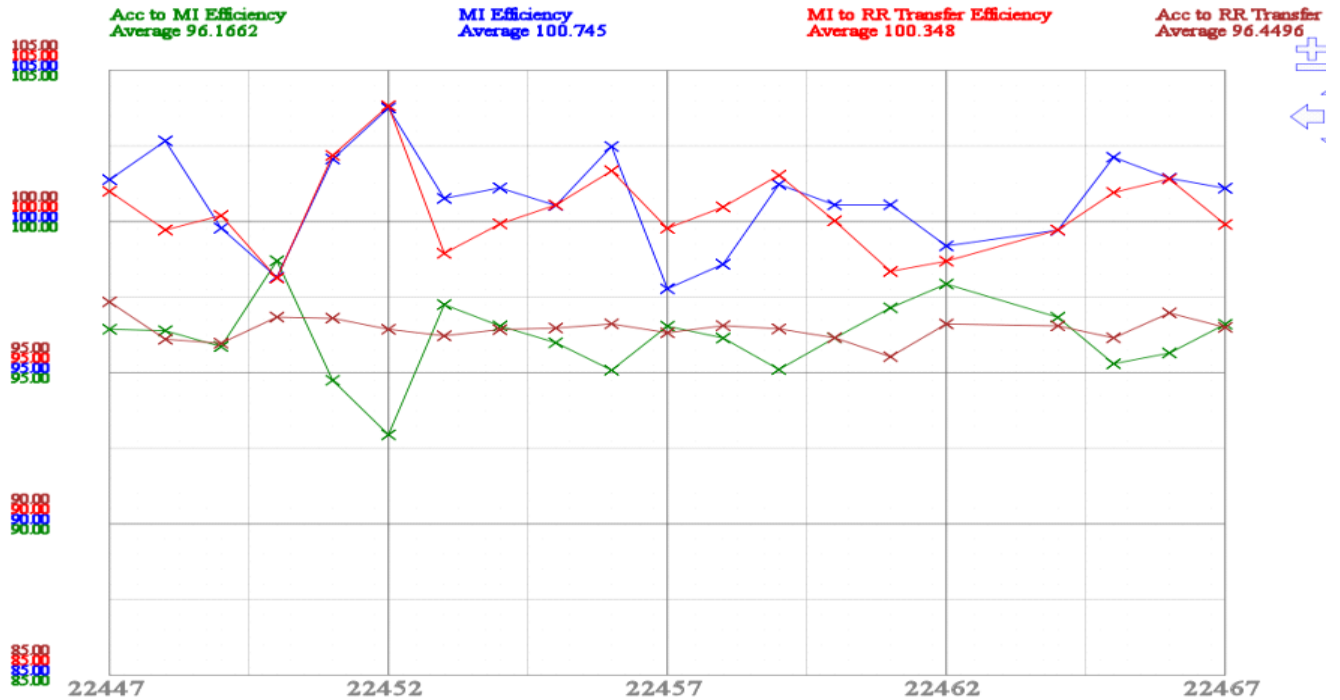
Stacking and Transfers

- Stacked 26.1mA/hr with a production of 21 pbars/Mp with 8.0 Tp on target
- Unstacked 539E10 in 65 transfers over 21 sets with an average efficiency of 96.4%.

Plots







Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3_Transfer Time	Column 21 Number _20_A:I BEAMB sampled on \$91 (A-BEA M7), E10	Column 22 Number _21_A:I BEAMB sampled on \$94 (A-BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R: BEAMS (R-BEA ME0[0]) pre xfer E10	Column 24 Number _23_R: BEAM (R-BEA ME0[1]) post xfer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number _4_Acc Horizontal Emittance	Column 6 Number _5_Acc Vertical Emittance	Column 8 Number _7_Acc Longitudinal Emittance	
	Totals =>			538.94			519.37	96.37%	96.36%	97.12%	93.58%	65	21	5.703	4.9422	1.9384	
	Daily Average =>			538.94			519.37					65	21				
22467	Tuesday, December 21, 2010	6:03	29.12	7.67	25.83	158.53	183.21	24.94	96.57%	96.66%	97.80%	94.54%	3	1	5.209	4.861	1.924
22466	Tuesday, December 21, 2010	5:02	29.34	7.16	24.76	134.95	158.77	24.00	96.92%	95.89%	97.56%	93.55%	3	1	5.375	4.8	1.939
22465	Tuesday, December 21, 2010	4:05	28.65	8.63	22.80	113.36	135.14	21.95	96.25%	96.17%	97.63%	93.89%	3	1	6.21	5.376	1.98
22464	Tuesday, December 21, 2010	3:09	29.69	7.93	24.46	90.17	113.62	23.61	96.51%	96.50%	96.80%	93.42%	3	1	5.759	4.99	1.951
22462	Tuesday, December 21, 2010	1:18	28.60	7.32	24.02	45.70	68.73	23.21	96.62%	97.71%	96.61%	94.40%	3	1	5.72	4.877	1.934
22461	Tuesday, December 21, 2010	0:20	47.01	8.13	42.80	5.25	45.80	40.84	95.43%	97.40%	97.52%	94.99%	4	1	6.479	5.639	1.931
22460	Monday, December 20, 2010	22:26	27.78	6.72	23.47	339.13	361.39	22.56	96.11%	96.21%	96.82%	93.15%	3	1	5.649	5.093	1.922
22459	Monday, December 20, 2010	21:33	26.91	7.03	22.55	318.43	339.97	21.75	96.47%	95.56%	97.02%	92.72%	3	1	5.846	4.911	1.966
22458	Monday, December 20, 2010	20:42	26.21	7.22	21.74	298.31	319.04	20.99	96.58%	96.66%	95.77%	92.57%	3	1	5.922	5.083	1.965
22457	Monday, December 20, 2010	19:48	27.90	6.07	23.82	276.03	298.72	23.00	96.56%	96.81%	95.11%	92.08%	3	1	5.504	4.621	1.907
22456	Monday, December 20, 2010	18:53	27.87	6.30	24.29	253.12	276.39	23.52	96.83%	94.26%	97.20%	91.62%	3	1	5.077	4.553	1.931
22455	Monday, December 20, 2010	17:51	27.56	6.71	23.48	231.04	253.50	22.65	96.49%	96.58%	96.42%	93.12%	3	1	5.583	4.831	1.938
22454	Monday, December 20, 2010	16:55	28.42	7.15	23.92	208.45	231.33	23.07	96.46%	96.06%	98.02%	94.15%	3	1	5.569	4.763	1.969
22453	Monday, December 20, 2010	15:56	30.74	6.70	26.45	183.45	208.71	25.47	96.30%	97.42%	97.99%	95.46%	3	1	5.602	4.739	1.904
22452	Monday, December 20, 2010	14:54	28.13	7.26	23.54	161.18	183.74	22.68	96.38%	93.72%	96.36%	90.31%	3	1	5.516	4.796	1.956
22451	Monday, December 20, 2010	13:56	27.07	6.79	22.94	139.35	161.36	22.23	96.88%	95.16%	97.09%	92.39%	3	1	5.714	4.898	1.933
22450	Monday, December 20, 2010	12:58	27.42	6.62	23.40	117.12	139.56	22.62	96.69%	99.02%	97.52%	96.56%	3	1	5.734	4.788	1.944
22449	Monday, December 20, 2010	10:20	26.26	6.06	22.68	95.69	117.38	21.84	96.31%	95.16%	96.00%	91.36%	3	1	5.318	4.65	1.943
22448	Monday, December 20, 2010	9:25	27.12	6.43	23.28	73.62	95.89	22.39	96.19%	96.72%	98.52%	95.29%	3	1	5.804	4.809	1.923
22447	Monday, December 20, 2010	8:28	27.03	6.63	22.98	51.74	73.80	22.32	97.15%	95.60%	97.79%	93.49%	3	1	5.747	5	1.957
22446	Monday, December 20, 2010	7:29	49.27	7.10	45.76	8.79	51.97	43.72	95.54%	96.84%	97.19%	94.12%	4	1	6.425	5.709	1.89